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1/11

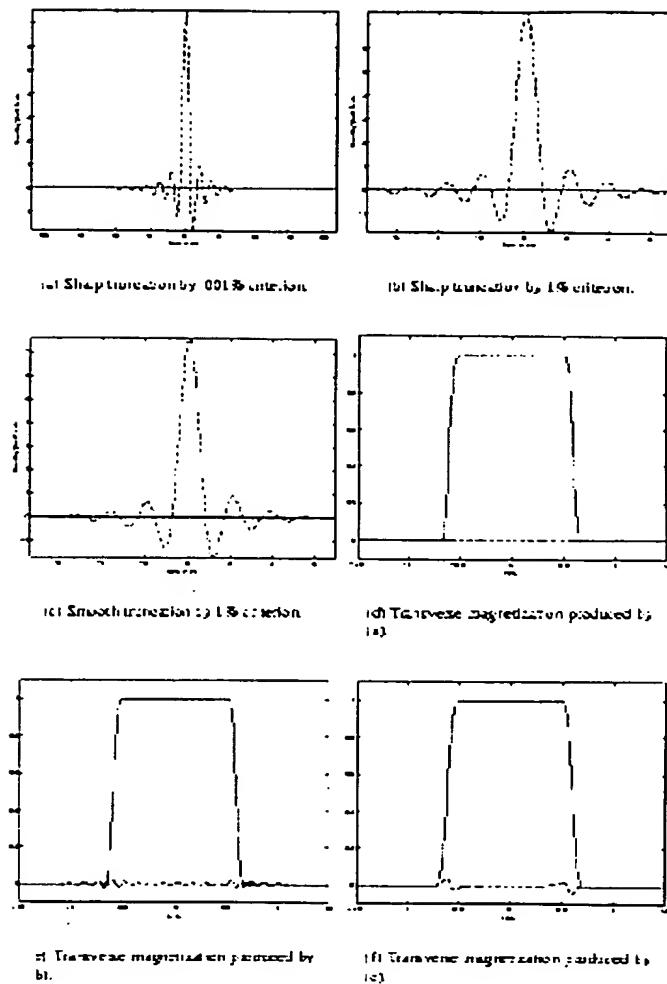
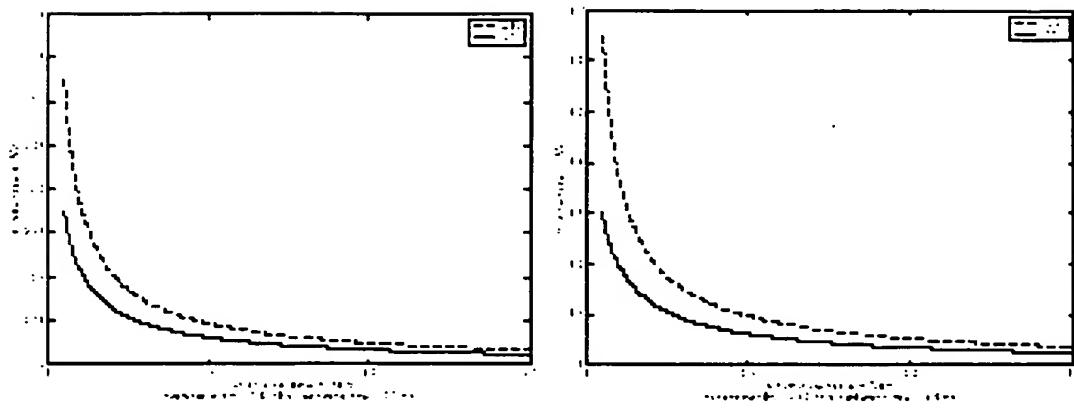


FIGURE 1

2/11



(a) Transition width = 0.3 KHz.
rephasing time = 2.0 ms

(b) Transition width = 0.1 KHz.
rephasing time = 5.0 ms

FIGURE 2

3/11

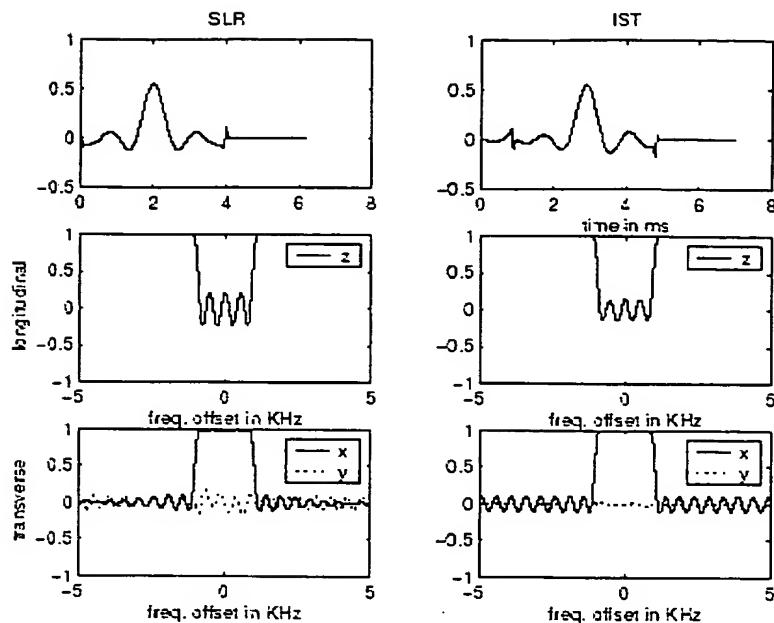


FIGURE 3(a)

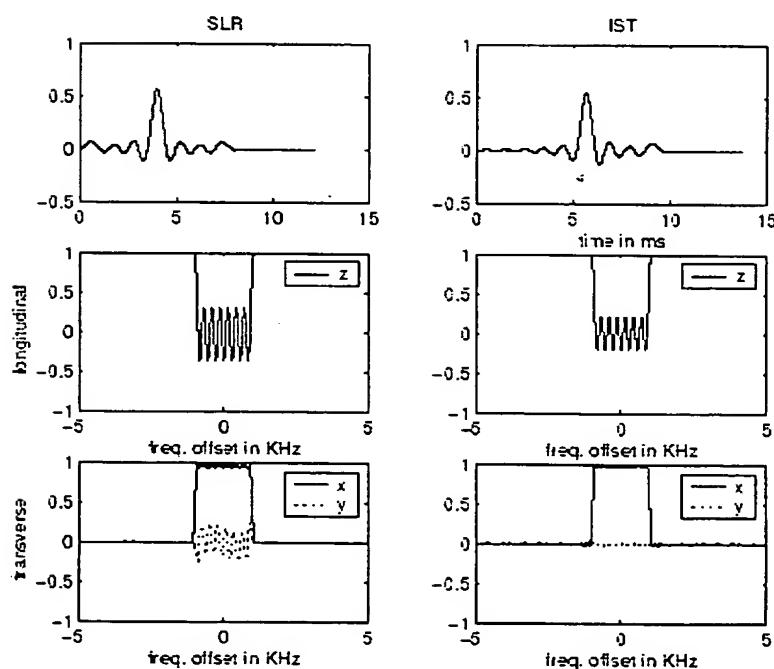
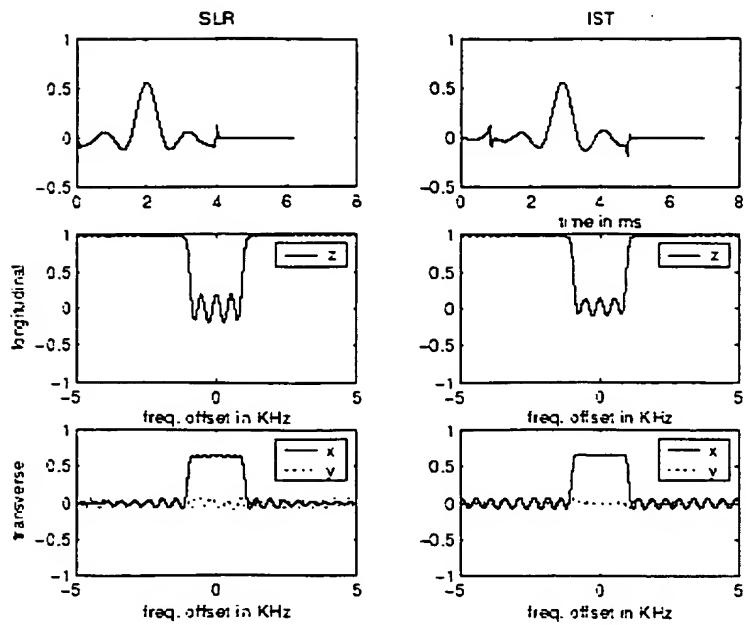
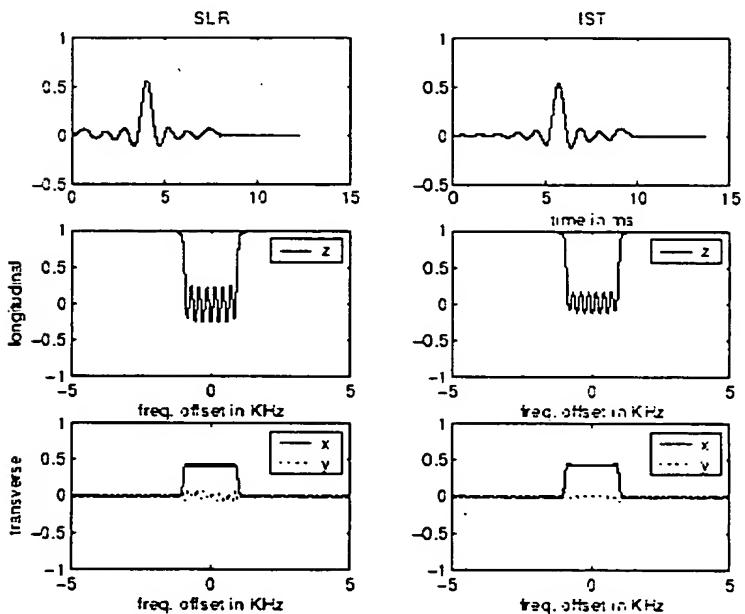


FIGURE 3(b)



(a) $T_2 = 10$ ms for a 90° pulse with 2 ms rephasing time, $\delta_2 = 0.1$, and 0.2 KHz transition width



(b) $T_2 = 10$ ms for a 180° pulse with 4 ms rephasing time, $\delta_2 = 0.01$, and 0.15 KHz transition width.

FIGURE 4

5/11

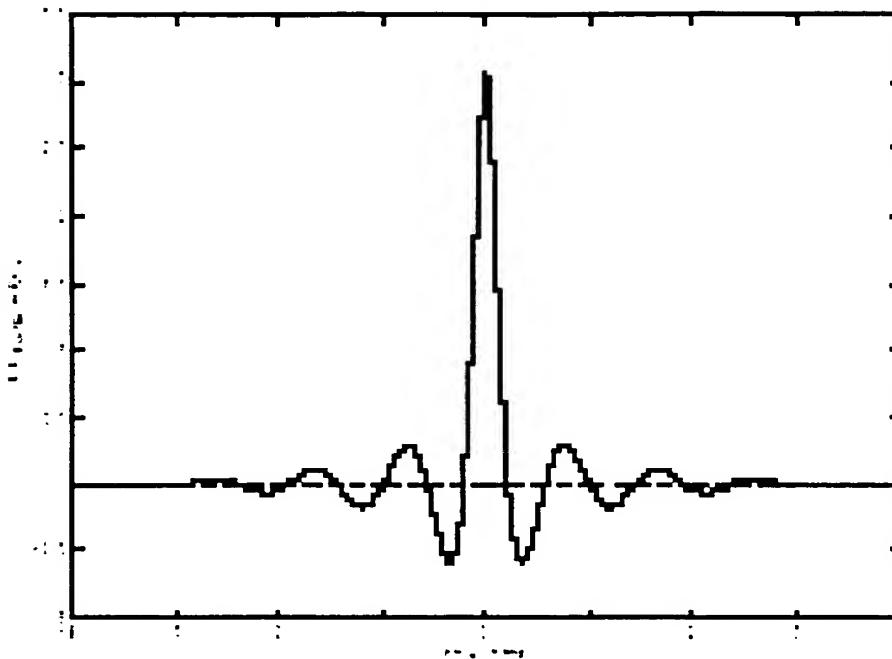


FIGURE 5(a)

6/11

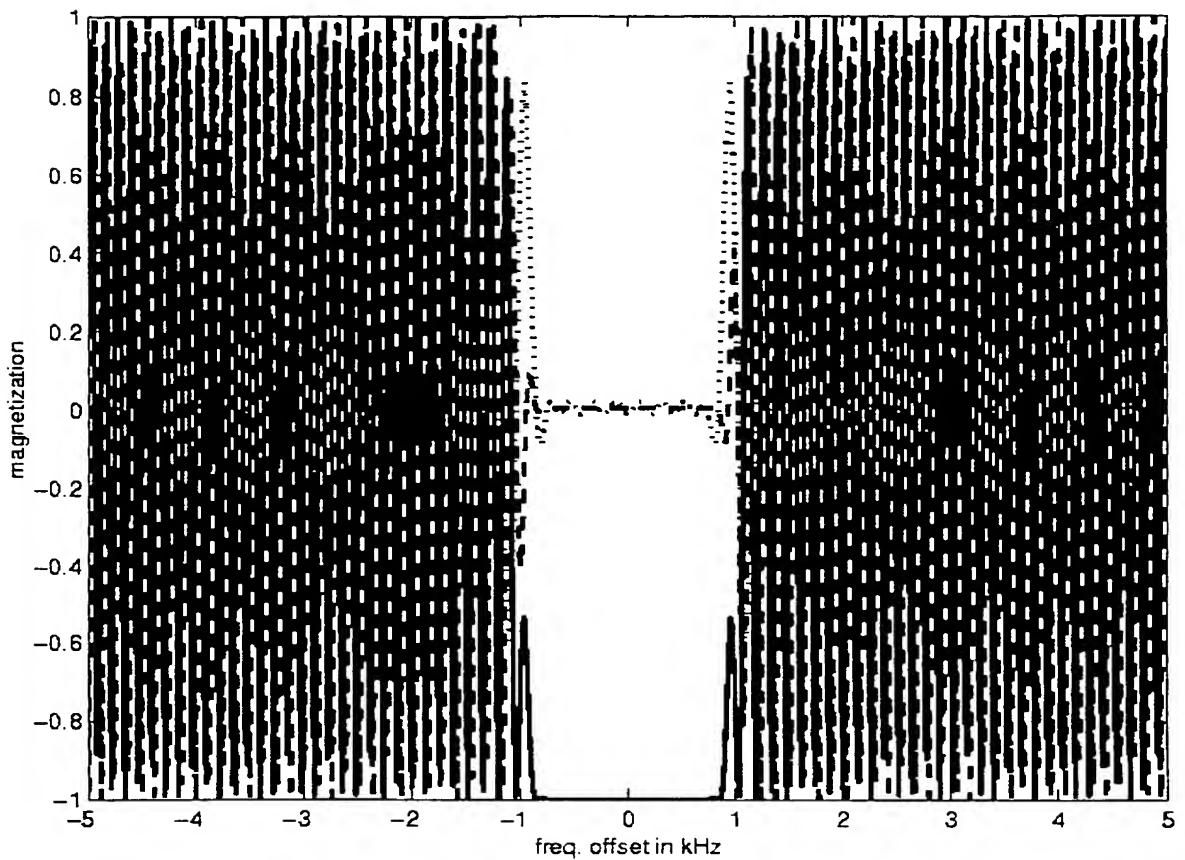


FIGURE 5(b)

7/11

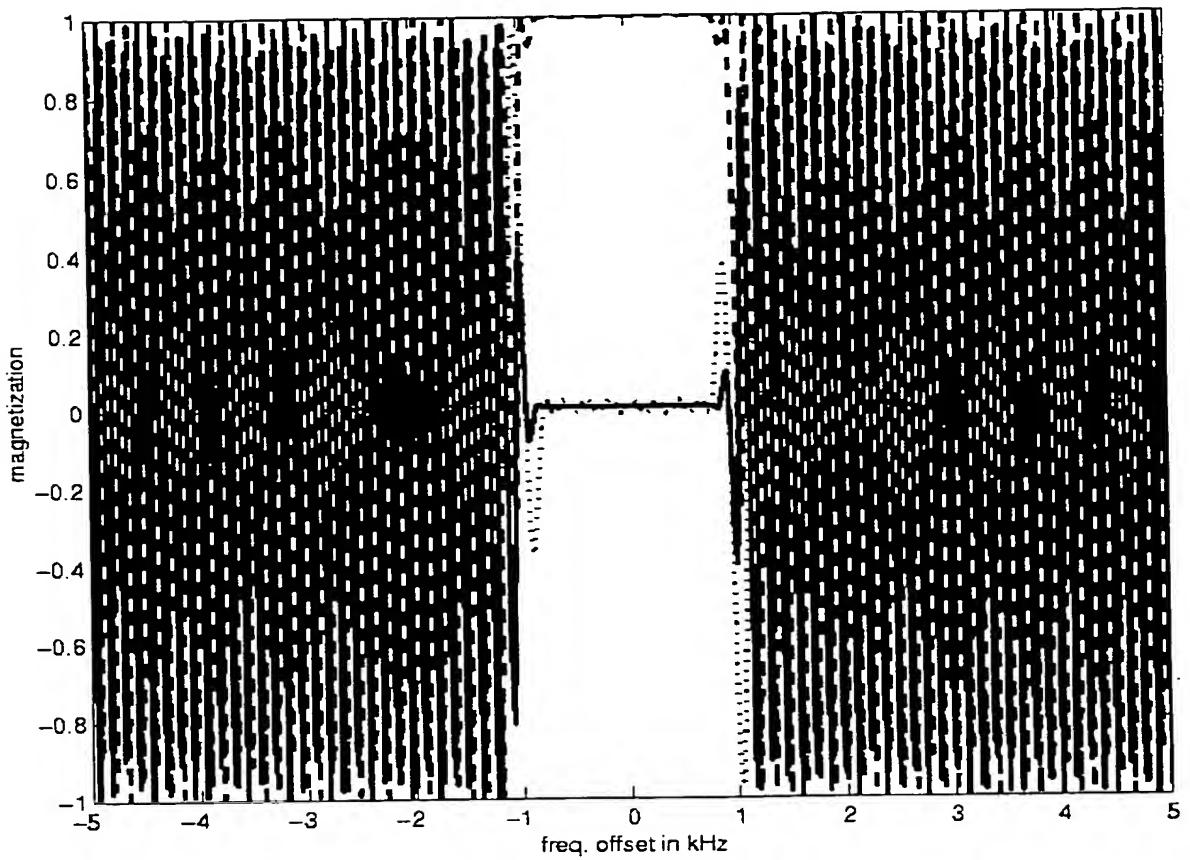


FIGURE 5(c)

8/11

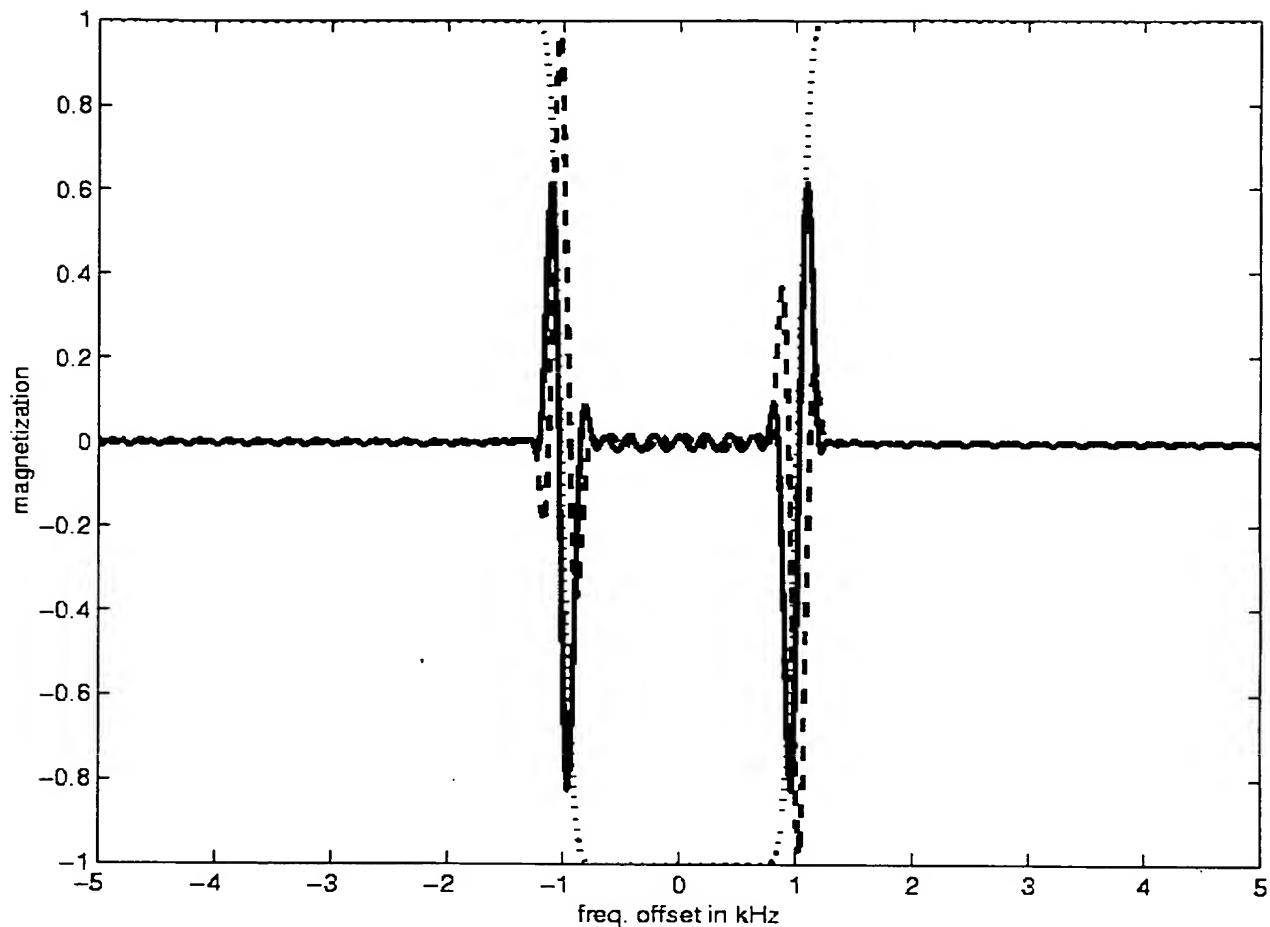


FIGURE 5(d)

9/11

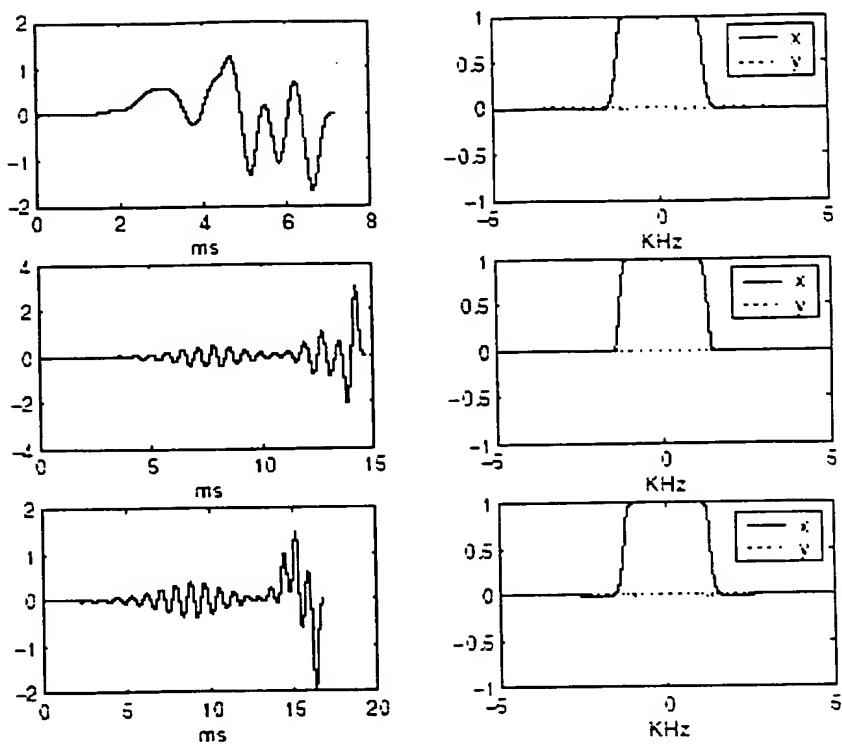
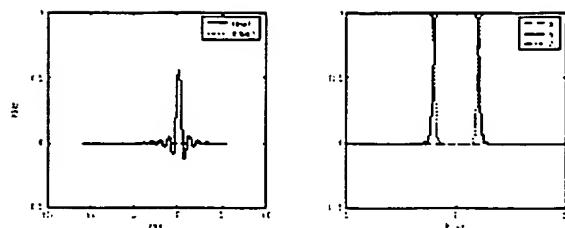
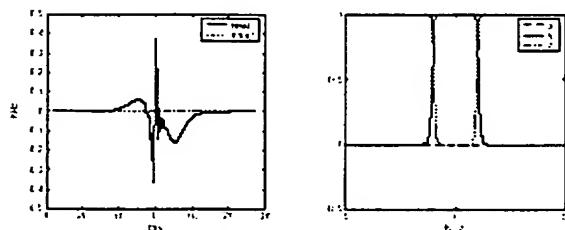


FIGURE 6

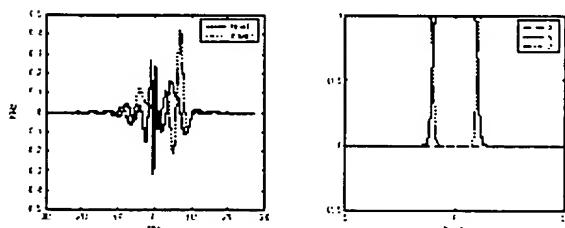
10/11



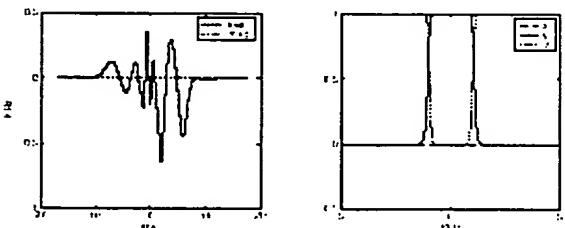
(a) The minimum energy pulse with magnetization profile M_0 .



(b) The pulse with magnetization profile M_1 , and a bound state at $0.5i$ with norming constant 1.0.



(c) The pulse with magnetization profile M_1 , and bound states at $0.5i + 1.4$, and $1.0i - 1.0$, with norming constants: 1, and -10 .



(d) The pulse with magnetization profile M_1 , and bound states and $i - 1$, i , and $i + 1$, and norming constants: 1, 2, and 1.

FIGURE 7

11/11

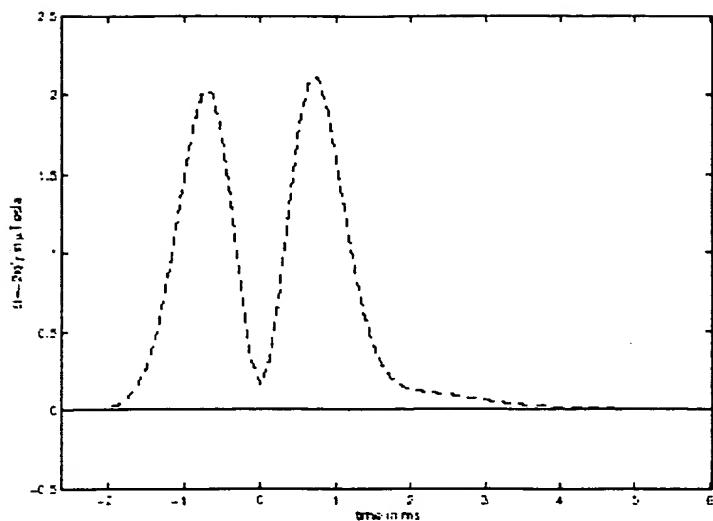


FIGURE 8 (a) Minimum energy pulse.

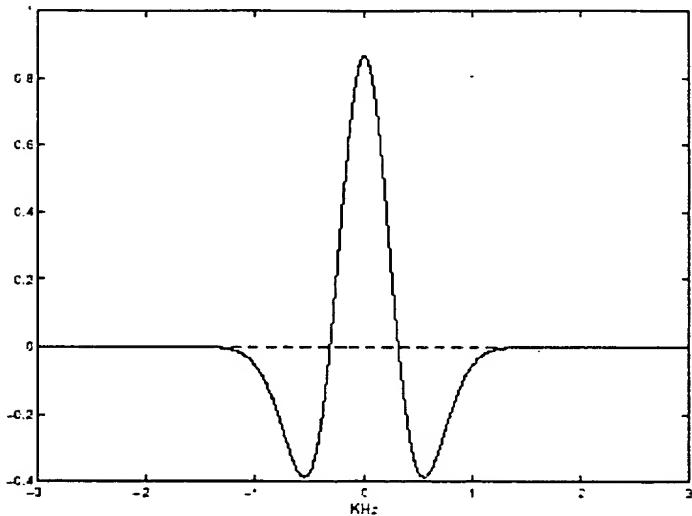


FIGURE 8(b) Transverse magnetization profile.